

CLAIMS

WHAT IS CLAIMED IS:

1. An electronic interface component, comprising:
a slot configured for receiving a second interface component therein, said slot including at least one perimeter member;
a static charge dissipater attached to said perimeter member, said dissipater including:
a conductive carrier strip;
a plurality of electrically conductive filaments electrically connected to said conductive carrier strip, said filaments having distal tips in spaced relation to said conductive carrier strip; and
an adhesive for connecting said strip and said filaments to said perimeter member; and
said dissipater positioned on said perimeter member with said filament distal tips in substantially uniform position relative to a said second interface component inserted into said slot.
2. The interface component of claim 1, said carrier strip disposed on an outside surface of said perimeter member, said perimeter member including a hole, and said filaments extending through said hole into said slot.
3. The interface component of claim 1, said static charge dissipater disposed on an inside surface of said perimeter member, and said perimeter member defining a hole therethrough near said distal tips of said filaments.
4. The interface component of claim 1, said perimeter member comprising a pivoting door to said slot.

5. The interface component of claim 4, said door including a plurality of spaced fingers, and filaments of said static charge dissipater disposed in said slot behind said fingers.
6. The interface component of claim 1, said slot being a card slot.
7. The interface component of claim 1, said filaments selected from the group consisting of fibers of carbon, stainless steel and conductive acrylics.
8. The interface component of claim 1, said carrier strip being plastic.
9. The interface component of claim 1, said carrier strip being polycarbonate.
10. The interface component of claim 1, said filaments grouped in bundles.
11. The interface component of claim 1, including a layer of capacitate material on said carrier strip.
12. The interface component of claim 11, said capacitate material being rubber.

13. A static charge dissipating assembly for an electronic component card slot, said static charge dissipating assembly comprising:

at least one perimeter member defining said card slot for receiving a card inserted therein in an insertion direction; and

a static control device attached to said perimeter member, said static control device including;

a conductive plastic carrier strip, said carrier strip having a length and first and second lateral edges, said carrier strip disposed transverse to said insertion direction; and

a plurality of electrically conductive filaments attached to said carrier strip, said plurality of filaments disposed on said strip transverse to said lateral edges, and extending beyond at least one of said lateral edges, said filaments having diameters sufficiently small to induce ionization in the presence of an electrical field, and having distal ends remote from said carrier strip disposed in said slot.

14. The static charge dissipating assembly of claim 13, said carrier strip disposed on an outside surface of said perimeter member, said perimeter member including a hole, and said filaments extending through said hole into said slot.

15. The static charge dissipating assembly of claim 13, said static charge dissipater disposed on an inside surface of said perimeter member, and said perimeter member defining a hole therethrough near said distal tips of said filaments.

16. The static charge dissipating assembly of claim 13, said perimeter member comprising a pivoting door to said slot.

17. The static charge dissipating assembly of claim 16, said door including fingers, and said filaments disposed in said slot behind said fingers.

18. The static charge dissipating assembly of claim 13, including a layer of capacitate material on said carrier strip.

19. The static charge dissipating assembly of claim 18, said capacitate material being rubber.

20. A method for dissipating static charge on a card inserted into a card slot of an electronic device, said method comprising steps of:

providing a path for inserting the card in to the slot, and an arrangement of filaments having diameters sufficiently small to induce ionization in the presence of an electrical field;

positioning distal ends of the filaments in the path;

passing the card along the path adjacent the distal tips of the filaments;

and

inducing ionization from the static electric charge on the card passing along the filament distal tips.